



The Sigma F series crossflow cooling tower utilizes advanced composites and stainless steel for excellent durability and corrosion resistance in a truly cost-effective design.

Drawing on over 50 years of design experience with composites, Marley-designed FRP pultrusions and SMC shapes allow quick, accurate field assembly.

Incorporating many standard and optional features to enhance its appearance, the Sigma F series adapts equally well to architecturally sensitive campus environments or industrial plants.

- **Clean Appearance**  
Lower profile than counterflow; standard internal inlet; optional pultruded casing; optional cased guardrails conceal mechanical equipment.
- **Ease of Installation**  
Consistent, predictable, stable materials offer consistent fit, consistent quality. Multiple casing options.
- **Corrosion Resistance**  
Fiberglass structure, fan deck, and casing and stainless steel hot water basins are impervious to a broad range of corrosive materials; immune to rot and decay.
- **Fire Resistance**  
Optional FRP structural members, casing and fan cylinders are all available with low flame spread ratings.
- **No Preservatives**  
Environmentally friendly. No preservative treatment required.
- **Stable, High Strength Composite Structure**  
Less costly than stainless; more durable than galvanizing; more consistent than wood.
- **Flexible Operation**  
Innovative distribution system accommodates wide flow variations automatically, eases maintenance.

## Durable Marley Geareducer®

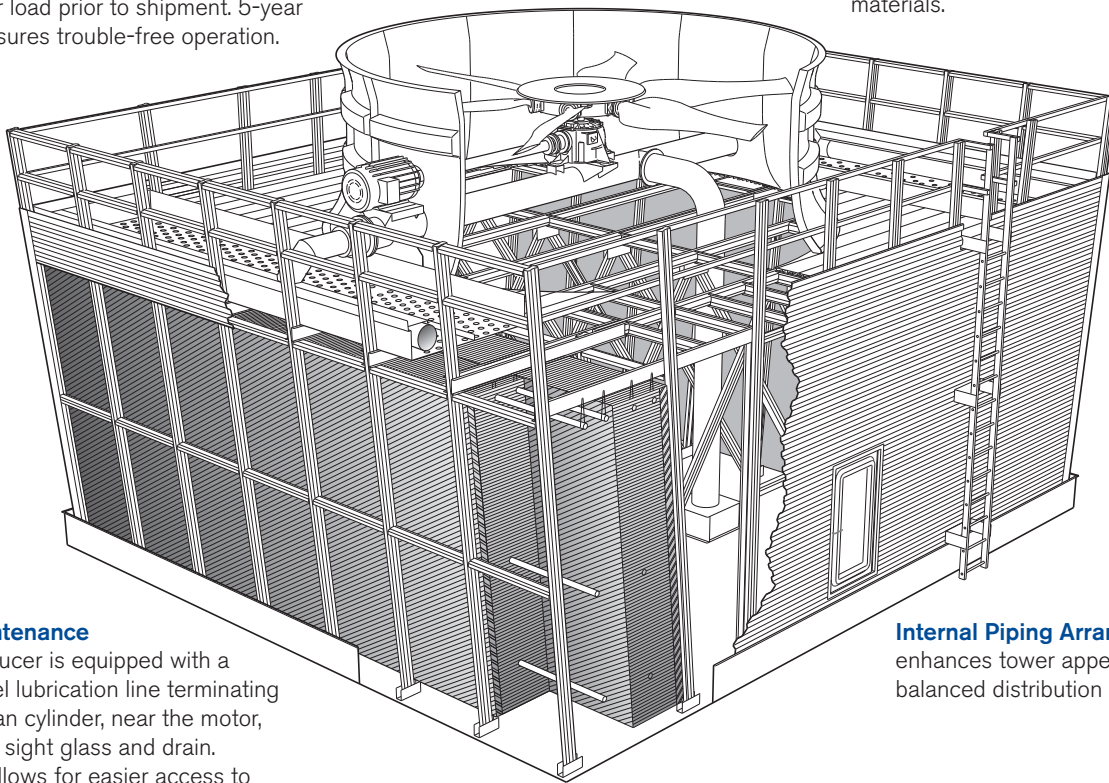
—the industry quality standard. Designed to meet or exceed the requirements of CTI STD-111 and AGMA STD 420.4, and run-in under load prior to shipment. 5-year warranty assures trouble-free operation.

## Non-skid Fan Deck

of interlocking pultruded panels, with fasteners concealed by the adjacent panel, offers a clean surface free of trip hazards.

## Corrosion Resistant

pultruded fiberglass structural components and fan deck panels, FRP endwall casing and stainless steel hot water basins are all impervious to a broad range of corrosive materials.



## Simple Maintenance

Each Geareducer is equipped with a stainless steel lubrication line terminating outside the fan cylinder, near the motor, at an oil level sight glass and drain. Low profile allows for easier access to equipment.

## High-Performance Film Fill

Marley MX film fill removes process heat efficiently, predictably. Integrally molded drift eliminators and louvers virtually eliminate drift spotting nuisance and help operation even in extremely cold weather.

## Internal Piping Arrangement

enhances tower appearance and allows balanced distribution and flow.

## Marley Spiral Target Nozzles

Injection molded polypropylene with a diffuser and snap-in orifice cap offer a wide range of adjustment in flow rates and basin water levels; even distribution over the fill area.

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